

What is claimed is:

1. A rolling bearing which comprises an outer member having an inner peripheral surface formed with raceway surfaces of double rows, an inner member having an outer peripheral surface formed with raceway surfaces opposed to the raceway surfaces of the outer member, and double rows of rolling elements interposed between the opposed raceway surfaces,

wherein a surface of at least one of the outer member and the inner member that contacts a member made of an aluminum alloy is provided with an electrocorrosion preventive coating containing hexavalent chrome-free chromate.

2. The rolling bearing as claimed in Claim 1, wherein the contact member is a housing to which the outer member is fitted.

3. The rolling bearing as claimed in Claim 2 wherein the rolling bearing is a bearing for rotatably supporting a vehicle wheel relative to a vehicle body structure,

wherein the housing is a knuckle; the outer member has an outer peripheral surface formed with a vehicle body fitting flange for securement to the knuckle and the inner peripheral surface formed with the raceway surfaces for the rows; and the inner member has one end formed with a wheel mounting flange and has the outer peripheral surface formed with the raceway surfaces opposed to the respective raceway surfaces of the outer member, with the rows of the rolling elements interposed between those opposed raceway surfaces, and

wherein a surface of the outer member that contacts the knuckle is provided with the electrocorrosion preventive coating.

4. The rolling bearing as claimed in Claim 1, wherein the electrocorrosion preventive coating includes a first plated layer provided on the surface of a base metal forming the outer member or the inner member, and a chromate layer of hexavalent chrome-free chromate overlaid on an outer surface of the first plated layer.

5. The rolling bearing as claimed in Claim 1, wherein the electrocorrosion preventive coating includes a first plated layer provided on the surface of a base metal forming the outer member or the inner member, a chromate layer of hexavalent chrome-free chromate overlaid on an outer surface of the first plated layer, and a resin layer of a resin system overlaid on an outer surface of the chromate layer.

6. The rolling bearing as claimed in Claim 5, wherein the first plated layer is a zinc-nickel plated layer.

7. A rolling bearing for a vehicle wheel for rotatably supporting the vehicle wheel relative to a vehicle body structure, which comprises an outer member having an inner peripheral surface formed with raceway surfaces of double rows, an inner member having an outer peripheral surface formed with raceway surfaces opposed to the raceway surfaces of the outer member, and double rows of rolling elements interposed between the opposed raceway surfaces,

wherein one of the outer member and the inner member, which serves as a rotatable member, has a wheel mounting flange for supporting a rim of the vehicle wheel through a brake rotor made of an aluminum alloy, an electrocorrosion preventive coating being provided on a surface of the flange that is held in contact with the brake rotor.

8. The rolling bearing as claimed in Claim 7, wherein the electrocorrosion preventive coating contains hexavalent chrome-free chromate.

9. The rolling bearing as claimed in Claim 8, wherein the electrocorrosion preventive coating includes a first plated layer provided on the surface of a base metal forming the inner member or the outer member, and a chromate layer of hexavalent chrome-free chromate overlaid on an outer surface of the first plated layer.